

1T-MV-8474

4K Multiviewer



Key Features

- Supports 4K 3840x2160@60Hz input
- Supports 4K 3840x2160@30Hz output
- 4-window layouts
- 16-preset window layouts
- Assignable front panel and remote buttons
- 7-video inputs - 4x HDMI 2x DP 1x VGA/YPbPr
- HDCP Compliant
- 4K scaling engine, supports up-scaling & down-scaling
- 8-bit / 10-bit / 12-bit Colour depth
- Auto-scaling, auto-detect EDID
- Audio embedding and breakaway
- Supports 7.1 analogue and digital audio
- Volume control
- Audio delay from 0-400ms
- IR remote, RS232, Ethernet and WebGUI control
- Intuitive Web interface
- Full system control via API
- Full switching control from front panel
- 1RU rack mountable

Overview

1T-MV-8474 4K Multiviewer is the latest product in tvONE's range of 4K enabled products. The Multiviewer can display up to four video windows simultaneously via sixteen different fixed layouts, which can be recalled to present your content in a variety of combinations. This could vary from a straight forward Quad split, Picture-In-Picture, Triple, Side-By-Side, Full screen or something more complex with multiple layers.

The 1T-MV-8474 has seven inputs – 4x HDMI, 2x DisplayPort, 1x VGA/YPbPr Supporting resolutions up to 3840x2160@30 on HDMI and 3840x2160@60 via DisplayPort. It is complimented by seven independent stereo analogue inputs which can be assigned and embedded into any of the video streams. It offers a single scaled HDMI output capable of supporting resolutions up to 3840x2160@30. A digital Toslink and eight independent de-embedded analogue channels allow you to switch audio separately from the HDMI stream allowing you to integrate 7.1 audio with external equipment. Full EDID management and audio control including delay and volume adjustments are supported through the Web interface, making it easy to integrate the 1T-MV-8474 into complex systems. Control is via a Web interface, RS232, Ethernet, Infrared remote or from the front panel buttons. Four of the buttons on front panel and the IR remote are assignable which means you can allocate specific preset configurations and easily recall them during presentations.

The 1T-MV-8474 is an extremely flexible Multiviewer and a very capable Presentation Switcher making it a good fit for many different user applications.

Input Resolutions

Resolution	P/I	HDMI	DisplayPort	VGA
640x350	P	85		
640x400	P	85		85
640x480	I	30		
640x480	P	60/75/85		75/85
720x400	P	85		
720x480	I			60
720x576	I	25		50
720x576	P	50/100		
800x600	P	60/75/85	60	60
848x480	P			60
1024x768	P	60/75/85		60/70/75
1152x864	P			75
1280x720	P	50/60	60	50/60
1280x768	P	60/75/85		60/75/80
1280x960	P	60/85		
1280x1024	P	60/75/85		60/75
1366x768	P			60
1600x900	P		60	
1600x1024	P	60		
1600x1200	P	60		60/65/70/75
1680x1050	P			60
1792x1344	P			60
1856x1392	P			60
1920x1080	I	25/30		50/60
1920x1080	P	24/25/30/50/60	60	24/25/30/60
1920x1200	P	60		60
1920x1440	P			60
2048x1152	P		60	
3840x2160	P	24/30	30/60	

Output Resolutions

HDMI Output			
Auto	3840x2160@30 (4K)	1920x1080@60 (1080p)	1280x720@60 (720p)
1920x1200@60 (WUXGA)	1600x1200@60 (UXGA)	1280x800@60 (WXGA)	1024x768@60 (XGA)

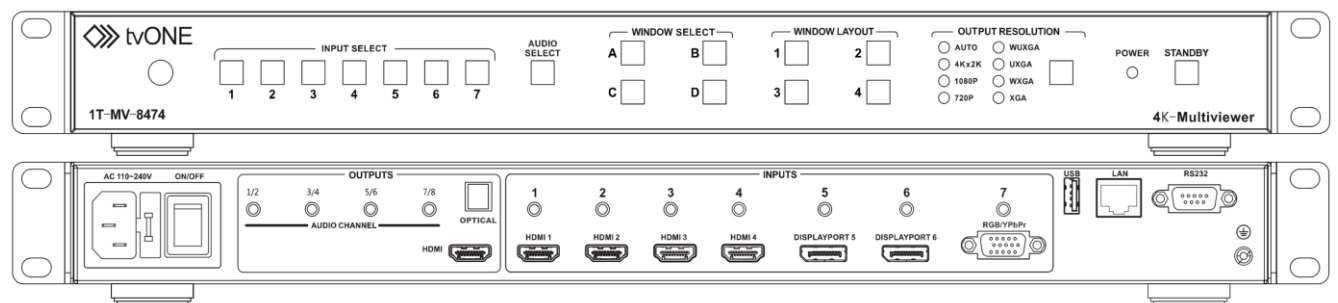
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Specification

Unit Functionality Video Input Formats HDMI, DVI, DisplayPort, RGBHV YPrPb Audio Input Formats HDMI and DisplayPort: embedded digital external analogue stereo audio: 20 kΩ impedance Video Output Formats HDMI RGB 4:4:4 Audio Output Formats HDMI: embedded digital audio 7.1 Surround analogue audio: 20 kΩ impedance Format Compliance TOSLINK: Digital Optical Audio (stereo) HDMI v1.4 / DVI v1.0 / DisplayPort v1.2 HDCP v1.4 Colour Depth 8-bit / 10-bit / 12-bit EDID Memory Advanced EDID utilities Audio Bandwidth 20 Hz to 20 kHz Audio Sampling Rate 48 kHz / 8CH / LPCM Audio Levels Stereo Audio: unity / nominal Stereo Audio: 0.5 - 1.0 Vpp Audio Delay User-adjustable from 0 - 400ms in increments of 40ms		Control Configuration Web Interface, RS232, Ethernet, IR remote front panel buttons Application Web Interface Buttons 7.5mm square coloured LED backlight Mechanical Size (H x W x D) Without feet or ears 44 x 439 x 279mm (1.7" x 17.3" x 11.0") With feet (H) 51mm (2.0") With ears (W) 483mm (19.0") Weight 3.3kg (7.3lbs)	
Inputs Video 6x digital and 1x analogue RGB Audio 6x digital and 7x stereo analogue Output Video 1x HDMI/DVI Audio 1x digital optical, embedded HDMI 4x stereo (analogue 7.1)		Power AC Power 100~240VAC / 50-60Hz Power Consumption 15 Watts (max.) Construction/Material Front panel 10mm aluminium alloy with black finish Chassis 1mm pressed steel with matte black finish Environmental Operating Temperature 0° to +40° C (+32° to +104° F) Storage Temperature -20° C to 60° C (-4° F~140° F) Operating Humidity 20% to 90% Non-Condensing	
Input Connectors HDMI/DVI 4x HDMI 19-pin female connectors DisplayPort 2x 20-pin female locking connectors Analogue RGB 1x HD15 (VGA) female connector Analogue Audio 7x stereo 3.5mm female connectors Power 1x IEC C14 power connector Output Connectors HDMI/DVI 1x HDMI 19-pin female connector Digital audio 1x TOSLINK Optical female connector Analogue audio 4x 3.5mm female connectors		Product Item Number 1T-MV-8474 4K Multiviewer Accessories Included 19 Button remote control, AC power cord User Guide and 2x rack ears Warranty Limited Warranty 1 Year Parts and Labour Regulatory Compliance Main Unit FCC, CE, RoHS	

Panel Design



Window Layouts

